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## Canadian Patent Database

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Patent Document Number : 2259483

MAGNETIC DISK SUBSTRATES FORMED OF  
CERAMIC-METAL MATRIX COMPOSITES WITH OR WITHOUT  
METAL CLADDING

SUBSTRATS DE DISQUES MAGNETIQUES CONSTITUES DE  
COMPOSITES EN CERAMIQUE- MATRICE METALLIQUE  
AVEC OU SANS PLACAGE METALLIQUE

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INVENTORS:

CARDEN, Robin A.; HARRIGAN,  
William C.; STANISH, Raymond L.

OWNERS:

ISSUED:

FILED:

May 21, 1997

LAI D OPEN:

Jan. 8, 1998

CANADIAN CLASS:

INTERNATIONAL CLASS: C22C 21/00; B32B 15/04; C22C 1/05;  
G11B 5/704; G11B 5/84

APPLICATION PRIORITY DATA:

Application No.	Country	Date
08/674,140	US	July 1, 1996

ABSTRACT:

A rigid disk substrate for a magnetic recording disk is formed of a ceramicmetal matrix composite. A metal-cladding may be included around the ceramicmetal matrix composite to form a sandwich structure. The ceramic-metal matrix composite has a composition ranging from approximately 1 to 40 weight % of ceramic and 60 to 99 weight % of metal matrix. The metal matrix material and the metal cladding material are aluminum or an aluminum alloy.

CLAIMS: [Show all claims](#)

\*\*\* Note: Data on abstracts and claims is shown in the official language in which it was submitted.

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Patent Document Number : 1323697

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INVENTORS: Perettie, Donald J.; Strandjord, Andrew J.; Yates, Ronald L.  
OWNERS: THE DOW CHEMICAL COMPANY  
ISSUED: Oct. 26, 1993  
FILED: Feb. 5, 1988

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LAID OPEN:  
CANADIAN CLASS: 352/32.4  
INTERNATIONAL CLASS: G11B 7/24; G11B 7/26

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APPLICATION PRIORITY DATA:

Application No.	Country	Date
014,882	US	Feb. 13, 1987

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ABSTRACT:

### ABSTRACT

An optical memory storage media is described, e.g. a compact disc. A method of preparing the media (e.g. discs) is also taught. The storage media is formed from a substrate material having tightly bonded to the surface a highly reflective soft metal alloy formed of, for example, an alloy including at least five percent by weight of each of at least two metals selected from the group consisting of cadmium, indium, tin, antimony, lead, bismuth, magnesium, copper, aluminum, zinc and silver.

CLAIMS: [Show all claims](#)

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